LAWRENCE and CO., 55, Parliament-street, Westminster, and 10, York-place, Lambeth, Ventilating and Heating Engineers, &c.—Furnish, fix, and guarantee 12 feet fixed, various sorts of chimney-cowls and tops, 4in. to 18in., 9d. per foot; ditto to 36in., 1s. per foot; rain pipe, 3 in., 4d. per foot; ditto, 5in., 6d. per ft. Baths, windows, skylights, dairy fittings, &c. Zinc or brass plates supplied or corrugated to any required size, and sheet zinc and nails at lowest market prices.

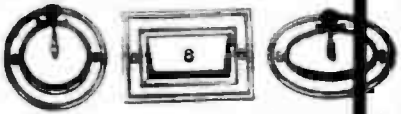
VENTILATION—PURE AIR.

Shoolbred's Ventilator, for the admission of pure air

EXTERNAL WALL.

With single pulley, from 6s. each; with treble pulley, from 8s. 6d. These Ventilators are so arranged that they regulate themselves, and may be fixed in the external wall of any room, with the certainty that when they are opened for the admission of pure air, they are placed in the external wall, their action is to draw from the room a corresponding quantity of foul air, and thus maintain a constant supply of fresh air in most perfect.—SHOOLBRED and CO., Ventilator and Manufacturers, 128, Tottenham-court-road, and 19, Charlotte-street, Fitzroy-square; and of all respectable Ironmongers, Builders, &c.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.



as made on the true principles, and under the immediate direction of Dr. Arnott. All architects and builders are respectfully informed, that to secure ventilators really constructed on Dr. Arnott's principle, they must be procured from the original manufacturers, the great object of his patent, and repeated failures have been through the use of valves purporting to be Dr. Arnott's, but differing in fact, altogether different in construction, and disapproved by the Doctor as not being by any means calculated to carry out his intentions; for, in their practical use, they are continually found to be an abundant means of filling the room with smoke, instead of being used as a means of ventilation. The public is so strong, that many architects, in their specifications, have found it necessary to direct that DR. ARNOTT'S VENTILATORS shall be of EDWARDS'S MANUFACTURE.

The Valve, made in a variety of patterns and sizes, from 6s. to 10s. Terms to the trade at hereinafter. Prospectuses with prices and cuts, to be had (post free on application to F. EDWARDS, 48, Poland-street, Oxford-street.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

With internal action, and all the latest improvements.

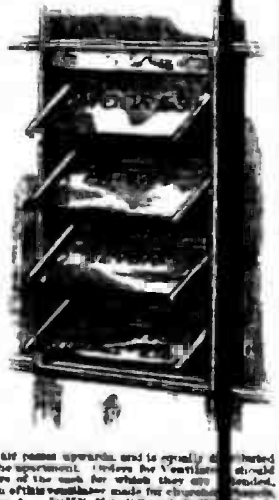
REDUCED LIST OF PRICES, SUBJECT TO THE TRADE DISCOUNT.

Plain size, 11 by 6	Second size, 16 by 9
Plain Iron Valve 6 0	..... 9 0
Bronzed and Leathered 7 0	..... 10 0
Japanned, white with Gold lines 11 0	..... 16 0
Ditto with Trellis-work 17 0	..... 25 0
Brass Fronts, large, or bronzed 13 0	..... 19 0
Ditto with Trellis work 19 0	..... 27 0

Ventilators of any description made to order.

Manufactured by HART and SONS, 23, 24, 25, 26, Wych-street, Strand, London.—Post-office orders payable at 202, High Holborn.

MOORE'S PATENT LEVER VENTILATOR.



The principle of the LEVER VENTILATOR is simple and most effective, which will be seen by the accompanying Drawing, and its action is so arranged that no condensed can occur in it in any way likely to get out of order. The whole of the frame, levers, and screws, are made of brass, thereby avoiding rust. It is fitted to most forms of sashes, and is opened and closed with great facility, and can be regulated to any quantity of ventilation. The action is produced by a line, which pulled, opens the Louvres, and, when loose, closes air-tight. It takes less space than any other Ventilator, and does not interfere with the appearance of the window. Much greater ventilation is obtained by the Louvres throwing outward, by which the air passes upwards, and is equally distributed over the whole of the apartment. Orders for Ventilators should give the exact measure of the sash for which they are intended. A cheaper description of this Ventilator made for fixing in bed-rooms, workshops, &c. JOHN MOORE and SONS, Tarret, and Horse Clock Manufacturers, 39 & 40, Clerkenwell-close, London: Clock Makers to the Honourable East India Company, the Russian Government, and the Emperor of China. N.B.—A List of the Clocks made at the above Manufactory can be had either by post or otherwise.

COOKING RANGES.—NICHOLSON'S PRIZE COTTAGE COOKING, and other GRATES, which obtained the premiums offered by the Royal Agricultural Society at the York and Exeter meetings, may be seen in Public Use (Model Houses) in Hyde-park, in the Model Structure of the Society for Improving the Condition of the Labouring Classes in the Great Exhibition Building, and at his allotments there (No. 67), where also are exhibited his recent improvements in Cooking Ranges, including the newly invented Oriental Cooking Apparatus, or complete suit of kitchen Apparatus in one piece, and Improved Cooking Stoves for Cottages, Fireplaces, &c., for either of which the Council Medal was recently awarded at the Exeter meeting, may be procured at FIELDER'S, Jermyn-street, London, and respectable Country Ironmongers. Price lists and full particulars will be sent on application to the Manufacturer (inclosing a postage stamp), Yeovil-on-Trent. N.B. Intending purchasers of kitchen grates are respectfully requested to forward the dimensions of the space in which the grate is to be fixed, and the number of rooms in the house, with any further information, to apply to the manufacturer direct.

NOIRSAIN'S VENTILATING GRATES AND STOVES.—A large assortment of the above, at the lowest possible prices. Noirsain's Ventilating Chimney-pots and Perfect Ventilator. The temperature of rooms warmed by the new Ventilating Grates may be regulated to any degree required by the occupier, without the necessity of opening the window, as the fresh air is admitted from the external atmosphere, and not from the interior of the room, as in the old system. Prices from 3l. 3s. to 30l. Drawings and prices may be had.

TO ARCHITECTS AND BUILDERS.

DRAWING ROOM STOVES from original designs, with curtainwork in porcelain, polished steel, and or-molu. PATENT RADIATING GRATES for DINING ROOMS, a certain cure for a smoky chimney. BEDROOM STOVES of neat patterns, and at very reduced prices. BATHS fitted up in copper, marble, iron, or enamelled slate, and supplied with hot water from the servants' offices, or from separate cash boilers on an improved construction.—Plans and estimates furnished to towns or country.—BENHAM and SONS, Manufactory and Show-rooms, 18, WIGMORE-STREET, Cavendish-square, London.

STOVES, RANGES, GAS FITTINGS, &c.

BENETFINK and COMPANY defy competition in the above articles, if durability, combined with elegance of design, is deemed to be the test of cheapness.

B and Co. especially call the attention of Architects and Builders to their house, as they are admitted to have the largest and best selected stock of STOVES, RANGES, and GAS FITTINGS in the kingdom. Their stock contains the Improved Patent Register Stoves, ranges, and sanitary fittings, patent oven doors, and patent self-acting ditto; the unrivalled Derby Kitchen Range, and every description of cooking apparatus. As a proof of their ability to furnish the mansion or the cottage they submit the following scale of prices:—

Fine cast blank Register Stoves, 3 feet wide, from 13s. to 18l.
Highly finished Drawing-room Stoves, from 6l. to 20 guineas.
Cottage Ranges, with boiler and self-acting oven, from 3l.
Improved Kitchen Ranges, with boiler, self-acting oven, and bright fittings, from 8l.
Very strong Kitchen Ranges, with self-acting oven, best wrought iron steam boiler, bright fittings, and bright spit range, from 10 to 12 guineas.
3 light, water slide, gas Chandeliers, from 30s.
3 light ditto ditto, from 3 to 12 guineas.

NOTE THE ADDRESS.—BENETFINK and COMPANY, 89 and 90, CHEAPSIDE, LONDON.
Wholesale entrance, 1, IRONMONGER LANE.

COPPER BOILERS, of various Shapes, for HEATING BATHS and CONSERVATORIES.

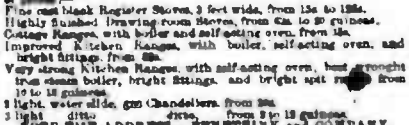


Fig. 1. Fig. 2. Fig. 3. Fig. 4.

Fig. 1. TYLOR'S IMPROVED COPPER CIRCULATING BATH BOILER, on Iron Frame complete for fixing.—Fig. 2. COPPER RIVETTED ARCH TOP BOILER for large Greenhouses or Public Buildings, from four to forty gallons.—Fig. 3. DOME-TOP COPPERS, with drawoff cocks, for Public Baths, from fifteen to one hundred and fifty gallons.—Fig. 4. TINNED COPPER COIL PIPES for HEATING BATHS, by passing Water through the Kitchen Range Boiler.—Apply to Ironmongers or Plumbers, or to the Manufacturers, J. TYLOR and SON, Warwick-lane, London.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Cottage Ranges, with { 20 22 24 26 inch.
Large Oven and Boiler ..... 30s. 35s. 40s. 54s.
Best Self-acting Ranges, with Oven and { 24 26 30 42 inch.
Back Boiler, Bright Wrought Bars ... { 50s. 55s. 60s. 63s.
Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 2½d.
Register Stoves, with Solid Bars, per inch, 3d. Best Solar, with Fire Brick Back, per inch, 4d.
Bright Stoves, with Two Fires, 50s. to 100s. each.

Cast Rain-water Pipe { 2 3 3 inch.
6d. 10d. 1s. per yard.
Cast Gutters—4 inch, 6d. per yard.
4 6 6 inch.
G. G. Gutters ..... 10d. 1s. per yard.
Best Cut Clasp { 11 11 2 3 inch.
and Rose { 1s. 6d. 1s. 10s. 6d. 12s. 18s. per cwt.
Sheet Flooring Brads, 11s. 6d. per cwt.
14inch Cut Lath, 1s. Cast Lath, 2s. 6d.
6-inch 3-Bolt Rack Ward Latches, with Furniture and Patent Spindles, 2s. 6d. Light Elliptic and Register Metal, 1s. per cwt.
Best Water Pans, 2s. 6d. per cwt.
Dr Arnott's Ventilators, 5s. each.
An extensive stock of bar, rod, hoop, and sheet iron.
Clark and Hunt's Improved Glass Paper.

TO BUILDERS, CARPENTERS, CABINET MAKERS, &c.

JOHN DALE, 18, CHISWELL-STREET,

begs to inform the above Trades, that he has purchased the business and premises of the late Mr. F. B. WILLIAMSON, Ironmonger and Stove Manufacturer, 18, Chiswell-street, Finsbury-square, where J. D. continues to carry on the said business, which, with his own, will form one of the most varied and extensive stocks of ironmongery in London, every article being of the best description and brought possible prices:—

Elliptic Stoves, double backs, 5½d. per inch.
Register Stoves, 6d. 6d. 6½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—

2 ft., 2l. 10s.	2 ft. 6 in., 2l. 17s.	3 ft., 3l. 10s.

3-feet Cottage Ranges, with ovens and back boilers, 45s. each.
3-feet self-acting ditto, ditto ..... 35s. each.
Air Bricks, 2s. 6d. per doz.—3-inch Cut Lath Nails, 1s. 2d. per cwt.

Best Patent Cut Clasp.

11	11	2	3 inch and larger
1s. 6d.	1s.	12s. 6d.	18s. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt
Best Town Gins, 9s. Dutto, Scotch, 3s. per cwt.
Best Patent Sash Line.

1	2	3	4	5	6
4s.	5s. 6d.	7s.	8s.	10s. 6d. per gross.	

List of Prices had on application at the Warehouse, or by letter prepaid.

TO BUILDERS AND CARPENTERS, &c.

J. H. BOOBBYER and CO., late Starch and Boobbyer, Ironmongery, Brass Foundry, Nail, and Tool Warehouse, No. 14, Bunhope-street, Clare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholders, &c., at wholesale prices.

Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Fine Cut Clasp and Rose.

14s. 6d.	14s. 6d.	13s. 6d.	12s.	13s. 6d. per cwt.
14	11	9	6½	3 inch.

Best Bright Tower Bolts.

1s. 6d.	1s. 7d.	2s. 6d.	3s. 6d. per dozen.
3	4	5	6 inch.

Best Patent Sash Lines.

3d.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.
No. 1	2	3	4	5	6

Cast Lath Nails, 10s. per cwt. Air Bricks, 2s. 6d. per dozen.
DR. ARNOTT'S VENTILATORS.
10 by 8 inches ..... 3s. each.
15 by 9 ..... 5s. "
An assortment in Brass, Bronzed, Gilt, &c.

An extensive stock of Mortise Locks, Drawback Locks, Iron Rim Locks, and Latches, of every description, at very reduced prices; also Door Furniture, in china, amber, opal, ivory, ebony, buffalo, horn, brass, &c., with Finger-plates, Bell-pulls, and Levers en suite. J. and Co. are the inventors of SHUTTING BOLT MORTISE LOCKS, &c., so universally approved of.—Established nearly 200 years, for the supply of goods from the best manufactories at the lowest prices.

TO BUILDERS, CARPENTERS, AND OTHERS.

BENJAMIN WALMSLEY, IRON-FOUNDER, BRASSFOUNDER, STOVE and RANGE MANUFACTURER, 128 and 129, LONDON-ROAD, Southwark, and Dealer in Iron, &c., begs to call the attention of builders, carpenters, cabinet-makers, upholsterers, wheelwrights, &c., to his wholesale prices:—

Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Best Cut Clasp and Rose { 1 1½ 2 3 inch.
Cast Lath Nails per cwt. { 14s. 13s. 6d. 12s. 6d. 12s. 6d. per cwt.
Cast Gutters, 4 inch, 6d. per yard. Cast Rain-water Pipe, 3 in., 6d. per yard. Cast Sash Weights, 4s. per cwt.
Best Patent Sash Line, 6 per gross.
Best Cut Tacks, per dozen pair:—8-in., 10d.; 10-in., 1s. 4d.; 12-in., 1s. 8d.
Iron Rain-water Pipe ..... 3 3½ 3 in.
Ditto ..... 9d. 10d. 1s. 1d. 1s. 2d. per yard.
Half Round ..... 3 3½ 4 in.
Gutter ..... 7d. 7½d. 8½d. "
G G Gutter ..... 4 4½ 5 in.
Air Bricks, 2s. 6d. per dozen. Hanging for Board, 3s. 6d. per cwt.
Dr. Arnott's Ventilators, 4s. 6d. each.
3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 40s. each.
3-ft. ditto, with Wrought Bars and Bright Fittings, 45s. each.
Register Stoves, with Double Backs, 5½ per inch.
Kitchen Stoves, with Fire Brick Backs, 4½ per inch.
Bright Register Stoves, with Two Rod of Bars, from 8l. each.

An excellent variety of Black and Bright Register Stoves kept ready for use at all prices, to which the attention of architects and builders is particularly invited.

A large assortment of Rim, Mortice, Drawback, Iron Rim, and other kinds of Locks and Latches. An extensive Stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.

Finger Plates, Levers, and Bell-pulls en suite.
Bar, Hoop, Sheet and Rod Iron, and Spring Steel.
The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by saying that every trade connecting themselves with any one have almost whatever they require at wholesale prices.
WALMSLEY, 128 and 129, LONDON-ROAD, SOUTH-WARK, six doors from the Obelisk.

WARMING BY HOT WATER.—J. WEEKS and CO.'S HOT WATER APPARATUS may be seen in extensive operation on their premises, King's-road, Chelsea; they have also erected their apparatus for various purposes throughout the kingdom; references can be given in almost every district. They beg particularly to refer to their own establishment, and also to that of Mr. Stocker's extensive carriage repository, Hallsford-street, Hyde-park-corner, where the apparatus may be seen in operation. Ornamental Pedestals and Stacks of Pipes in every variety, applicable for warming churches, mansions, entrance halls, offices, conservatories, &c.—TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any as introduced.—J. WEEKS and CO., Hot Water Apparatus Manufacturers, King's-road, Chelsea.

WARMING.—HOT WATER APPARATUS, with improved boilers, requiring no brickwork, and arranged to continue in action from twelve to eighteen hours without attention, adapted for churches, chapels, conservatories, and every description of building, supplied and erected on the most reasonable terms. Also, the THERMANTERION, an apparatus which warms without injuring the air, and recommends itself on account of its simplicity, durability, and efficiency, especially adapted for churches, halls, or buildings only used occasionally.—Apply to SPILLER and TAYLOR, Battersea.

SAMUEL HOOD and Co., Castings Warehouse, 41, Upper Thames-street. REGISTERED STABLE FITTINGS. Also, girders, columns, hot water pipes, rain water pipes, eaves, gutters, sash weights, &c., at the lowest prices. A powerful hydraulic PROVING-MACHINE for GIRDERS, &c.

TO BUILDERS AND THE TRADE.

CASTINGS, RAIN-WATER PIPE, GUTTERING, SASH-WEIGHTS, &c.

Iron Rain-water Pipe... 3 3½ 3 3½ inch.
9d. 10d. 1s. 1d. to 3d. per yard.
Half Round Gutter .... 3 3½ 4 inch.
7d. 7½d. 8d. per yard.
Sash-weights, 5s. per cwt. Air Bricks, 2s. 6d. per dozen.
Underground Pipe, 5s. 6d. per cwt.

A large stock of CASTINGS and WROUGHT-IRON WORK for BUILDING and other purposes, at equally low prices, consisting of—

GIRDERS AND COLUMNS.	STENCH-TRAPS.
RAILING AND STAIRCASE BARS.	SKYLIGHTS.
BALCONIES AND BALCONETTES.	BASHES, WROUGHT AND CAST.
CANTILEVRES AND BRACKETS.	STOVES, ALL DESCRIPTIONS.
FURNACE BARS AND GRATINGS.	COPINGS FOR WALLS.
LAMP POSTS.	MANGERS.
PUMPS.	HAYRACKS.
COALHOLE PLATES AND SCRAPERS.	SUPPLY CISTERNS.
	FIREPROOF FLOORS.
	TANKS, &c. &c. &c.

Every article in the trade kept in stock. An extensive assortment of patterns for both PLAIN and ORNAMENTAL CASTINGS, and every description of WROUGHT-IRON WORK.

ESTIMATES on application or by post.
COTTAM and HALLES,
IRON WORKS, 4, WINSLEY-STREET, OXFORD-STREET, AND CORNWALL-ROAD, LAMBETH.

FARM AND COTTAGE PUMPS.

PATENT CAST-IRON PUMPS, for the use of Farm, Cottages, Manure Tanks, and Shallow Wells.

Patent Pump £1 15 0
Patent Pump, with 12 feet of lead pipe attached, and bathe and suite ready for fixing 2 12 0
Larger sizes if required.

May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentees and Manufacturers.

JOHN WARNER and SONS, Ornamental Jewin street, London.

Every description of Machinery for Raising Water, Fire, Exercise, &c.

The usual allowance to the Trade.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.

PUMPS of Superior CONSTRUCTION, bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Markets, Places, Borders, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, in wrought and cast Iron. HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth. SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.

BENJ. FOWLER (late of 49, Dorset-street), removed to the new Factory, Whitefriars-street, Fleet-street.

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